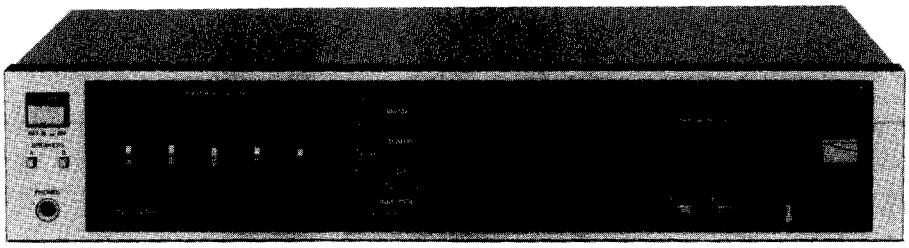
SERVICE MANUAL

POWER AMPLIFIER

SANYO

JA540

(EUROPE)



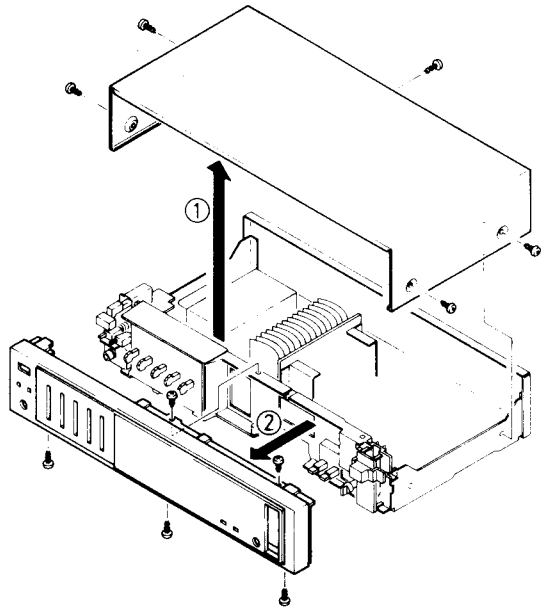
SPECIFICATIONS

NOTE:
The below mentioned specifications are mainly based on the IHF measurements standard. They can therefore not directly be compared with specifications based on the DIN standard or other standards.

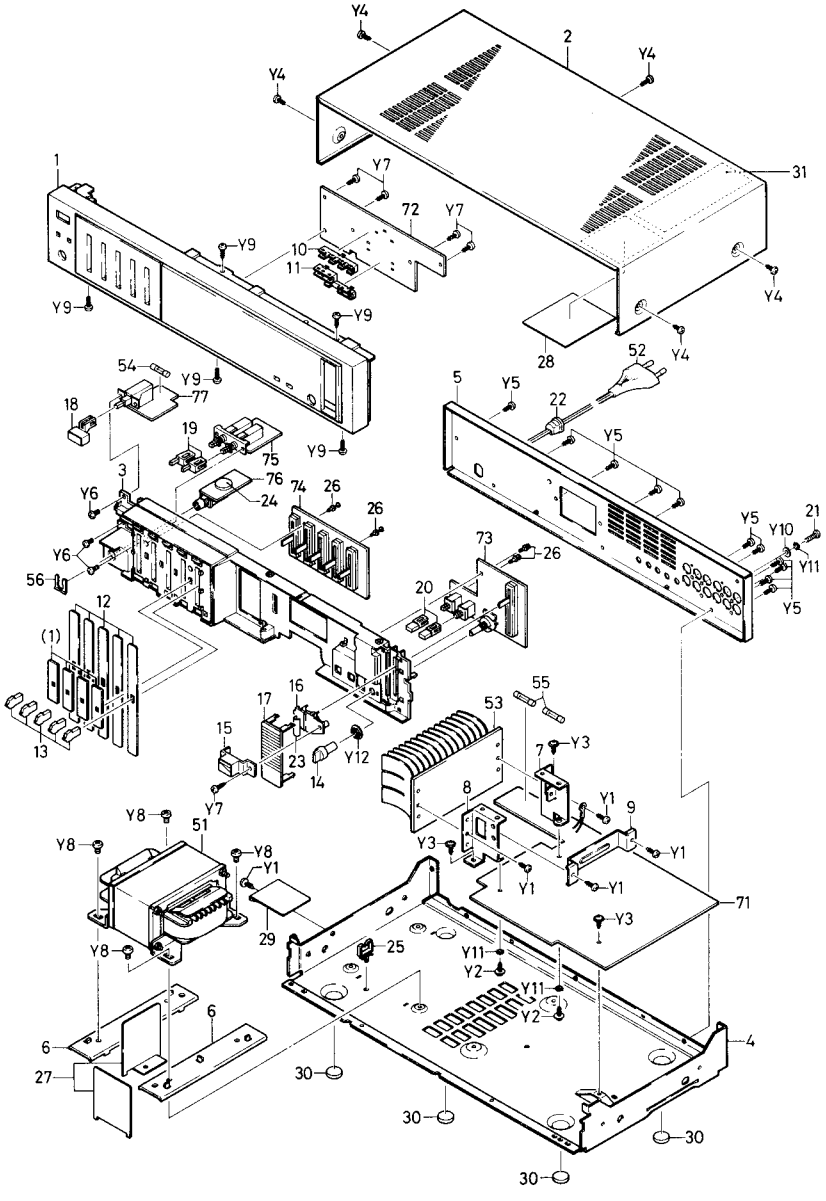
Continuous output power	55 W x 2 (at 8 ohms, 0.9% distortion)
Total harmonic distortion	0.3% (50 W output, 8 ohms)
Input sensitivity and impedance	
PHONO	2.5 mV/47 kohms
AUX/VIDEO/CD/TUNER/TAPE PLAY	150 mV/47 kohms
Phono overload level	100 mV RMS (at 1 kHz)
Output level	
TAPE REC	150 mV
Frequency response	20 Hz – 35 kHz (AUX/VIDEO) (±1.0 dB)
Graphic equalizer	±10 dB (63/250/1000/4000/16000 Hz)
Loudness control response	
100 Hz/10 kHz	+8 dB/+4 dB
Signal to noise ratio	95 dB (AUX/VIDEO)
Power requirements	AC: 220 V, 50 Hz
Power consumption	270 W
Dimensions (Approx.)	420 (W) x 220 (D) x 87 (H) mm
	(16-1/2" x 8-11/16" x 3-7/16")
Weight (Approx.)	5.1 kg (11 lbs. 4 ozs.)

* Specifications subject to change without notice.

DISASSEMBLY



EXPLODED VIEW



PARTS LIST

PACKING & ACCESSORIES

Ref. No.	Parts No.	Description
	141 6 133T 56601	INNER CORR CASE
	141 6 144T 89900	FOAM PLASTIC CASE
	141 6 235T 40600	INNER POLYE LAMINA COVER
or	141 6 235T 40605	INNER POLYE LAMINA COVER
	141 6 409T 06401	INST MANUAL
	141 6 415T 32300	NOTICE

CABINET & CHASSIS

Ref. No.	Parts No.	Description
1	141 0 122T 53200	FRONT PANEL ASSY
2	141 2 111T 54907	CABINET
3	141 2 311T 48000	CHASSIS
4	141 2 125T 34300	BOTTOM LID
5	141 2 126T 48701	BACK LID
6	141 2 315T 28600	REINFORCEMENT, PT
7	141 2 310T 68403	BRACKET, HEAT SINK (BACK SIDE)
8	141 2 310T 68503	BRACKET, HEAT SINK (FRONT SIDE)
9	141 2 310T 99100	BRACKET, IC
10	141 2 210T 59400	BRACKET, LED (UP SIDE)
11	141 2 210T 59500	BRACKET, LED (DOWN SIDE)
12	141 2 241T 27300	VEIL, EQ
13	141 2 164T 36201	SLIDE KNOB, EQ
14	141 2 163T 95802	ROTARY KNOB, BALANCE VR
15	141 2 164T 36500	SLIDE KNOB, MAIN VR
16	141 2 253T 38400	JOINT, MAIN VR
17	141 2 147T 01900	MARKING PLATE
18	141 2 160T 38901	PUSH BUTTON, POWER
19	141 2 160T 30900	PUSH BUTTON, SP SELECT
20	141 2 160T 09700	PUSH BUTTON, MODE·LOUDNESS
21	141 2 421T 28800	SPECIAL SCREW, EARTH
22	141 2 464T 14400	FIXER, AC CORD
23	141 2 247T 31300	SHEET, JOINT
24	141 2 174T 13100	STAND, PCB
25	141 2 464T 29900	FIXER
26	141 2 464T 40500	FIXER, PCB
27	141 2 322T 83900	SHIELD PLATE
28	141 2 327T 31000	INSULATOR, CABINET
29	141 2 327T 32700	INSULATOR, POWER SW.
30	141 2 174T 14000	STAND, BOTTOM
31	141 6 479T 62600	LABEL

FIXING PARTS

Ref. No.	Parts No.	Description
Y1	BJB2S++3+6+Z1	S T BIND H 3X6Z1
Y2	BJX6S++3+6+Z1	S T WASHER H 3X6Z1
Y3	BJX6S++3+8+Z1	S T WASHER H 3X8Z1
Y4	BJB2S++3+8+N1	S T BIND H 3X8N1
Y5	141 2 421T 43901	SPECIAL SCREW
Y6	BJBYS++3+8+Z1	S M BIND H 3X8Z1
Y7	BJB2S++3+8+Z1	S T BIND H 3X8Z1
Y8	BJESS++4+8+Z1	S M BIND H 4X8Z1 TAP TITE
Y9	BJB2S++310+Z1	S T BIND H 3X10Z1
Y10	WJBWS++3J10C1	WASHER 3X10X1T
Y11	WJHGK++3K0CZ1	TH LOCK WASHER 3
Y12	141 2 415T 02500	HEXAGON NUT

ELECTRICAL PARTS

Ref. No.	Parts No.	Description
51	⚠ 4 300T 80500	POWER TRANS
52	⚠ 4 243T 84973	POWER CORD
53	141 2 368T 27400	HEAT SINK
54	⚠ 4 234T 10588	FUSE T2.0A 250V (F901)
55	⚠ 4 234T 10590	FUSE T3.15A 250V (F701,801)
56	4 312T 00100	SPRING PLATE
	4 240T 47677	SOCKET, 7P
	4 240T 47676	SOCKET, 6P
	4 240T 47675	SOCKET, 5P
	4 240T 47673	SOCKET, 3P

MAIN AMP P.C.B. ASSY

Ref. No.	Parts No.	Description
71	141 4 280T 36601	P.C.B. ASSY, MAIN AMP
	4 240T 50500	SOCKET, RCA 6P TAPE·TUNER
	4 240T 50572	SOCKET, RCA 6P PHONO·AUX·CD
	4 240T 30372	SOCKET, AUTO FUNCTION
	4 237T 11481	TERMINAL BOARD, SP
	4 232T 06300	RELAY
	141 2 381T 04202	BRACKET FUSE
	4 236T 27985	PLUG, 15P
	4 209T 01172	POZISTOR 90° C
L701	4 265T 07930	VHF COIL
L801	4 265T 07930	VHF COIL
RA701	4 221T 11074	RESISTOR 2.2K OHM X 10
RA702	4 221T 11086	RESISTOR 22K OHM X 10
RA703	4 221T 11087	RESISTOR 27K OHM X 10
IC701	SILA6458SS+++	IC LA6458SS SIP9
IC702	SILC7815+++++	IC LC7815 DIP28
IC703	SILC4066B++++	IC LC4066B DIP14
IC704	SIAN90B60++++	IC AN90B60 DIP18
IC706	4 206T 03800	IC STK4191
Q501	STA608+G++++B	TR 2SA608 G B
Q502	STC536+G+++UB	TR 2SC536 G AUD B SP
Q701	STD1468S++++T	TR 2SD1468 S
Q702	STC536+G+++UB	TR 2SC536 G AUD B SP
Q801	STD1468S++++T	TR 2SD1468 S
Q802	STC536+G+++UB	TR 2SC536 G AUD B SP
Q901	STD325+E+++++	TR 2SD325 E
Q902	STB560+F+++++	TR 2SB560 F
Q903	STC536+G+++KT	TR 2SC536 G K T
Q904	STC536+G+++KT	TR 2SC536 G K T
Q905	STC536+G+++KT	TR 2SC536 G K T
Q906	STC536+G+++UB	TR 2SC536 G AUD B SP
Q907	STC536+G+++UB	TR 2SC536 G AUD B SP
D501	SDGMA01+++++T	DIODE GMA01
D502	SDGMA01+++++T	DIODE GMA01
D503	SDGMA01+++++T	DIODE GMA01
D504	SDGMA01+++++T	DIODE GMA01
D505	SDGMA01+++++T	DIODE GMA01
D506	SDGMA01+++++T	DIODE GMA01
D507	SDGMA01+++++T	DIODE GMA01
D508	SDGMA01+++++T	DIODE GMA01
D509	SDGMA01+++++T	DIODE GMA01
D510	SDGMA01+++++T	DIODE GMA01
D511	SDGMA01+++++T	DIODE GMA01
D512	SDGMA01+++++T	DIODE GMA01
D513	SDGMA01+++++T	DIODE GMA01
D514	SDGMA01+++++T	DIODE GMA01
D515	SDGMA01+++++T	DIODE GMA01
D516	SDGMA01+++++T	DIODE GMA01
D517	SDGMA01+++++T	DIODE GMA01
D518	SDGMA01+++++T	DIODE GMA01
D519	SDGMA01+++++T	DIODE GMA01
D520	SDGMA01+++++T	DIODE GMA01
D521	SDGMA01+++++T	DIODE GMA01

PARTS LIST

Ref. No.	Parts No.	Description
D522	SDGMA01+++++T	DIODE GMA01
D525	SDGMA01+++++T	DIODE GMA01
D526	SDGMA01+++++T	DIODE GMA01
D901	⚠ SDDBA40+C++++	DIODE DBA40 C FORMING
D902	SDMTZ100B+++T	ZENER DIODE MTZ10.0B
D903	SDMTZ100B+++T	ZENER DIODE MTZ10.0B
D904	SDGMA01+++++T	DIODE GMA01
D905	SDMTZ047B+++T	ZENER DIODE MTZ4.7B
D906	SDDSF10+C+++T	DIODE DSF10 C T
C1	CM+50562KR++F	MYLAR 0.0056MF 50V K R
C2	CM+50562KR++F	MYLAR 0.0056MF 50V K R
C3	CM+50102KR++F	MYLAR 0.001MF 50V K R
C4	CM+50102KR++F	MYLAR 0.001MF 50V K R
C5	CM+50562KR++F	MYLAR 0.0056MF 50V K R
C6	CM+50562KR++F	MYLAR 0.0056MF 50V K R
C502	CE+16106MR++F	ELECT 10MF 16V M R
C503	CE+25335MR++F	ELECT 3.3MF 25V M R
C504	CE+10476MR++F	ELECT 47MF 10V M R
C508	CC+50473ZRZFF	CERAMIC 0.047MF 50V Z R ZF
C510	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
C511	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
C512	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
C513	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
C514	CC+50102KRYBF	CERAMIC 0.001MF 50V K R YB
C515	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C516	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C517	CE+16226MY++S	ELECT 22MF 16V M Y
C701	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C702	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C703	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C704	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C705	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C706	CE+25475MR++F	ELECT 4.7MF 25V M R
C707	CE+10226MR++F	ELECT 22MF 10V M R
C708	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C709	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C710	CB+25183KRXRF	BC CON 0.018MF 25V K R XR
C711	CC+50472KRYBF	CERAMIC 0.0047MF 50V K R YB
C712	CW+50105RVLRS	NONPOLAR 1MF 50V R V LR
C713	CM+50392KR++F	MYLAR 0.0039MF 50V K R
C714	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C715	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C716	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C717	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C721	CE+50105RVLRS	ELECT 1MF 50V R V LR
C722	CE+16106QVLRS	ELECT 10MF 16V Q V LR
C723	CE+25475MR++F	ELECT 4.7MF 25V M R
C724	CE+50105MR++F	ELECT 1MF 50V M R
C725	CE+50225MR++F	ELECT 2.2MF 50V M R
C726	CF+50154JR++F	METAL POLY 0.15MF 50V J R
C727	CF+50334JR++F	METAL POLY 0.33MF 50V J R
C728	CC+50473ZRZFF	CERAMIC 0.047MF 50V Z R ZF
C729	CF+50823JR++F	METAL POLY 0.082MF 50V J R
C730	CB+25123KRXRF	BC CON 0.012MF 25V K R XR
C731	CB+25223KRXRF	BC CON 0.022MF 25V K R XR
C732	CC+50332KRYBF	CERAMIC 0.0033MF 50V K R YB
C733	CM+50102KR++F	MYLAR 0.001MF 50V K R
C734	CE+50105RVLRS	ELECT 1MF 50V R V LR
C735	CE6R3107MR++F	ELECT 100MF 6.3V M R
C736	CE+16106QVLRS	ELECT 10MF 16V Q V LR
C737	CE+50476MR++F	ELECT 47MF 50V M R
C742	CM+50473KR++F	MYLAR 0.047MF 50V K R
C743	CC+50330KRSLF	CERAMIC 33PF 50V K R SL
C806	CE+25475MR++F	ELECT 4.7MF 25V M R
C807	CE+10226MR++F	ELECT 22MF 10V M R
C808	CC+50101KRSLF	CERAMIC 100PF 50V K R SL
C809	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C810	CB+25183KRXRF	BC CON 0.018MF 25V K R XR
C811	CC+50472KRYBF	CERAMIC 0.0047MF 50V K R YB
C812	CW+50105RVLRS	NONPOLAR 1MF 50V R V LR
C813	CM+50392KR++F	MYLAR 0.0039MF 50V K R
C814	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C815	CC+50221KRSLF	CERAMIC 220PF 50V K R SL

Ref. No.	Parts No.	Description
C816	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C817	CC+50221KRSLF	CERAMIC 220PF 50V K R SL
C821	CE+50105RVLRS	ELECT 1MF 50V R V LR
C822	CE+16106QVLRS	ELECT 10MF 16V Q V LR
C823	CE+25475MR++F	ELECT 4.7MF 25V M R
C824	CE+50105MR++F	ELECT 1MF 50V M R
C825	CE+50225MR++F	ELECT 2.2MF 50V M R
C826	CF+50154JR++F	METAL POLY 0.15MF 50V J R
C827	CF+50334JR++F	METAL POLY 0.33MF 50V J R
C828	CC+50473ZRZFF	CERAMIC 0.047MF 50V Z R ZF
C829	CF+50823JR++F	METAL POLY 0.082MF 50V J R
C830	CB+25123KRXRF	BC CON 0.012MF 25V K R XR
C831	CB+25223KRXRF	BC CON 0.022MF 25V K R XR
C832	CC+50332KRYBF	CERAMIC 0.0033MF 50V K R YB
C833	CM+50102KR++F	MYLAR 0.001MF 50V K R
C834	CE+50105RVLRS	ELECT 1MF 50V R V LR
C835	CE6R3107MR++F	ELECT 100MF 6.3V M R
C836	CE+16106QVLRS	ELECT 10MF 16V Q V LR
C837	CE+50476MR++F	ELECT 47MF 50V M R
C842	CM+50473KR++F	MYLAR 0.047MF 50V K R
C843	CC+50330KRSLF	CERAMIC 33PF 50V K R SL
C903	⚠ CM100104MM++S	MYLAR 0.1MF 100V M M
C904	⚠ CM100104MM++S	MYLAR 0.1MF 100V M M
C905	4 163T 11000	ELECT 4700MF 50V
or	4 163T 11071	ELECT 4700MF 50V
C906	4 163T 11000	ELECT 4700MF 50V
or	4 163T 11071	ELECT 4700MF 50V
C907	CE+50225MR++F	ELECT 2.2MF 50V M R
C908	CE+16477MY++S	ELECT 470MF 16V M Y
C909	CE+16477MY++S	ELECT 470MF 16V M Y
C910	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C911	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C912	CE+50107MY++S	ELECT 100MF 50V M Y
C914	CE+50476MR++F	ELECT 47MF 50V M R
C916	CE+10476MR++F	ELECT 47MF 10V M R
C917	CE+10476MR++F	ELECT 47MF 10V M R
C918	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C919	CC+50103ZRZFF	CERAMIC 0.01MF 50V Z R ZF
C920	CE6R3107MR++F	ELECT 100MF 6.3V M R
C921	CE+35476MR++F	ELECT 47MF 35V M R
C926	CE+10476MY++S	ELECT 47MF 10V M Y
R501	RC/+4274JT++R	CARBON T 270K OHM J 1/4W
R502	RC/+6563JT+++	CARBON T 56KOHM J 1/6W
R506	RC/+6103JT+++	CARBON T 10KOHM J 1/6W
R510	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R512	RC/+6334JT+++	CARBON T 330K OHM J 1/6W
R514	RC/+6183JT+++	CARBON T 18KOHM J 1/6W
R515	RC/+4473JT++R	CARBON T 47KOHM J 1/4W
R518	RC/+4103JT++R	CARBON T 10KOHM J 1/4W
R519	RC/+4103JT++R	CARBON T 10KOHM J 1/4W
R520	RC/+4103JT++R	CARBON T 10KOHM J 1/4W
R521	RC/+4103JT++R	CARBON T 10KOHM J 1/4W
R522	RC/+4103JT++R	CARBON T 10KOHM J 1/4W
R527	RC/+6103JT+++	CARBON T 10KOHM J 1/6W
R528	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R530	RC/+4104JP+++	CARBON P 100K OHM J 1/4W
R701	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R702	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R703	RC/+6563JT+++	CARBON T 56KOHM J 1/6W
R704	RC/+6331JT+++	CARBON T 330 OHM J 1/6W
R705	RC/+6274JT+++	CARBON T 270K OHM J 1/6W
R706	RC/+6153JT+++	CARBON T 15KOHM J 1/6W
R707	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R708	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R709	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R710	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R711	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R712	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R713	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R714	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R715	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R716	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R717	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R721	RC/+6102JT+++	CARBON T 1K OHM J 1/6W

PARTS LIST

Ref. No.	Parts No.	Description
R722	RC/+6334JT+++	CARBON T 330K OHM J 1/6W
R723	RC/+6682JT+++	CARBON T 6.8K OHM J 1/6W
R724	RC/+6823JT+++	CARBON T 82K OHM J 1/6W
R725	RC/+4820JT++R	CARBON T 82 OHM J 1/4W
R726	RC/+4121JT++R	CARBON T 120 OHM J 1/4W
R727	RC/+4121JT++R	CARBON T 120 OHM J 1/4W
R728	RC/+4121JT++R	CARBON T 120 OHM J 1/4W
R729	RC/+4121JT++R	CARBON T 120 OHM J 1/4W
R730	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R731	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R732	RC/+4681JT++R	CARBON T 680 OHM J 1/4W
R733	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R735	RC/+4272JT++R	CARBON T 2.7K OHM J 1/4W
R736	RF/+2222JSFP+	FP-CARBON S 2.2K OHM J 1/2W
R743	RF/+2100JSFP+	FP-CARBON S 10 OHM J 1/2W
R744	RF/+25R6JSFP+	FP-CARBON S 5.6 OHM J 1/2W
R749	RC/+4561JT++R	CARBON T 560 OHM J 1/4W
R750	RC/+6333JT+++	CARBON T 33K OHM J 1/6W
R801	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R802	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R803	RC/+6563JT+++	CARBON T 56K OHM J 1/6W
R804	RC/+6331JT+++	CARBON T 330 OHM J 1/6W
R805	RC/+6274JT+++	CARBON T 270K OHM J 1/6W
R806	RC/+6153JT+++	CARBON T 15K OHM J 1/6W
R807	RC/+6561JT+++	CARBON T 560 OHM J 1/6W
R808	RC/+6104JT+++	CARBON T 100K OHM J 1/6W
R809	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R810	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R811	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R812	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R813	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R814	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R815	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R816	RC/+6224JT+++	CARBON T 220K OHM J 1/6W
R817	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R821	RC/+6102JT+++	CARBON T 1K OHM J 1/6W
R822	RC/+6334JT+++	CARBON T 330K OHM J 1/6W
R823	RC/+6682JT+++	CARBON T 6.8K OHM J 1/6W
R824	RC/+6823JT+++	CARBON T 82K OHM J 1/6W
R825	RC/+4820JT++R	CARBON T 82 OHM J 1/4W
R826	RC/+4121JT++R	CARBON T 120 OHM J 1/4W
R827	RC/+4121JT++R	CARBON T 120 OHM J 1/4W
R830	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R831	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R832	RC/+4681JT++R	CARBON T 680 OHM J 1/4W
R833	RC/+6683JT+++	CARBON T 68K OHM J 1/6W
R835	RC/+4272JT++R	CARBON T 2.7K OHM J 1/4W
R836	RF/+2222JSFP+	FP-CARBON S 2.2K OHM J 1/2W
R843	RF/+2100JSFP+	FP-CARBON S 10 OHM J 1/2W
R844	RF/+25R6JSFP+	FP-CARBON S 5.6 OHM J 1/2W
R849	RC/+4561JT++R	CARBON T 560 OHM J 1/4W
R850	RC/+6333JT+++	CARBON T 33K OHM J 1/6W
R902	RC/+4273JT++R	CARBON T 27K OHM J 1/4W
R903	RM++1181JS+++	METAL S 180 OHM J 1W
R904	RM++1681JS+++	METAL S 680 OHM J 1W
R905	RC/+6472JT+++	CARBON T 4.7K OHM J 1/6W
R906	RC/+6472JT+++	CARBON T 4.7K OHM J 1/6W
R907	RC/+6222JT+++	CARBON T 2.2K OHM J 1/6W
R908	RC/+6273JT+++	CARBON T 27K OHM J 1/6W
R910	RF/+4101JSFPR	FP-CARBON S 100 OHM J 1/4W
R916	RM++1821JS+++	METAL S 820 OHM J 2W
R917	RC/+6273JT+++	CARBON T 27K OHM J 1/6W
R919	RF/+4101JSFPR	FP-CARBON S 100 OHM J 1/4W
R921	RM++1181JS+++	METAL S 180 OHM J 1W
R922	RC/+6563JT+++	CARBON T 56K OHM J 1/6W
R924	RC/+4151JT++R	CARBON T 150 OHM J 1/4W
R925	RC/+4151JT++R	CARBON T 150 OHM J 1/4W
R926	RF/+4101JSFPR	FP-CARBON S 100 OHM J 1/4W

FUNCTION P.C.B. ASSY

Ref. No.	Parts No.	Description
72	141 4 280T 36700	P.C.B. ASSY, FUNCTION
S1	4 238T 45700	SWITCH (PHONO)
S2	4 238T 45700	SWITCH (AUX)
S3	4 238T 45700	SWITCH (CD)
S4	4 238T 45700	SWITCH (TUNER)
S5	4 238T 45700	SWITCH (TAPE)
LED1	SLSLP280FB50G	LED SLP280F-50 B GREEN (PHONO)
LED2	SLSLP280FB50G	LED SLP280F-50 B GREEN (AUX)
LED3	SLSLP280FB50G	LED SLP280F-50 B GREEN (CD)
LED4	SLSLP280FB50G	LED SLP280F-50 B GREEN (TUNER)
LED5	SLSLP280FB50G	LED SLP280F-50 B GREEN (TAPE)
D6	SLSLP180FB50R	LED SLP180F-50 B RED (REC)
D7	SLSLP180FB50R	LED SLP180F-50 B RED (REC)
D8	SLSLP180FB50R	LED SLP180F-50 B RED (DUBBING)
D9	SLSLP280FB50G	LED SLP280F-50 B GREEN (SP-A)
D10	SLSLP280FB50G	LED SLP280F-50 B GREEN (SP-B)
R507	RC/+4182JT++R	CARBON T 1.8K OHM J 1/4W
R508	RC/+4182JT++R	CARBON T 1.8K OHM J 1/4W
R516	RC/+4182JT++R	CARBON T 1.8K OHM J 1/4W
R517	RC/+4182JT++R	CARBON T 1.8K OHM J 1/4W
R525	RC/+4471JT++R	CARBON T 470 OHM J 1/4W
R526	RC/+4471JT++R	CARBON T 470 OHM J 1/4W

MAIN VOLUME P.C.B. ASSY

Ref. No.	Parts No.	Description
73	141 4 280T 36800	P.C.B. ASSY, MAIN VOLUME
	4 220T 18800	VARIABLE RESISTOR, MAIN (VR701,801)
S6	4 238T 80500	PUSH SWITCH
VR701	4 220T 19000	VARIABLE RESISTOR (BALANCE)
C719	CC+50151KRSLF	CERAMIC 150PF 50V K R SL
C720	CB+25563KRXRF	BC CON 0.056MF 25V K R XR
C819	CC+50151KRSLF	CERAMIC 150PF 50V K R SL
C820	CB+25563KRXRF	BC CON 0.056MF 25V K R XR
R718	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R719	RC/+6105JT+++	CARBON T 1M OHM J 1/6W
R720	RC/+6103JT+++	CARBON T 10K OHM J 1/6W
R818	RC/+4332JT++R	CARBON T 3.3KOHM J1/4WR25
R819	RC/+6105JT+++	CARBON T 1M OHM J 1/6W
R820	RC/+6103JT+++	CARBON T 10K OHM J 1/6W

EQUALIZER P.C.B. ASSY

Ref. No.	Parts No.	Description
74	141 4 280T 36900	P.C.B. ASSY, EQUALIZER
	4 240T 72800	SOCKET, 15P
	4 220T 18971	VARIABLE RESISTOR (VR703~707)

SPEAKER SWITCH P.C.B. ASSY

Ref. No.	Parts No.	Description
75	141 4 280T 37000	P.C.B. ASSY, SPEAKER SWITCH
	4 238T 80600	PUSH SWITCH (SW8,9)

PARTS LIST

HEADPHONE SOCKET P.C.B. ASSY

Ref. No.	Parts No.	Description
76	141 4 280T 37103	P.C.B. ASSY, HEADPHONE SOCKET
	4 240T 52581	SOCKET, HEADPHONE
R747	RM++1391JP+++	METAL P 390 OHM J 1W
R847	RM++1391JP+++	METAL P 390 OHM J 1W

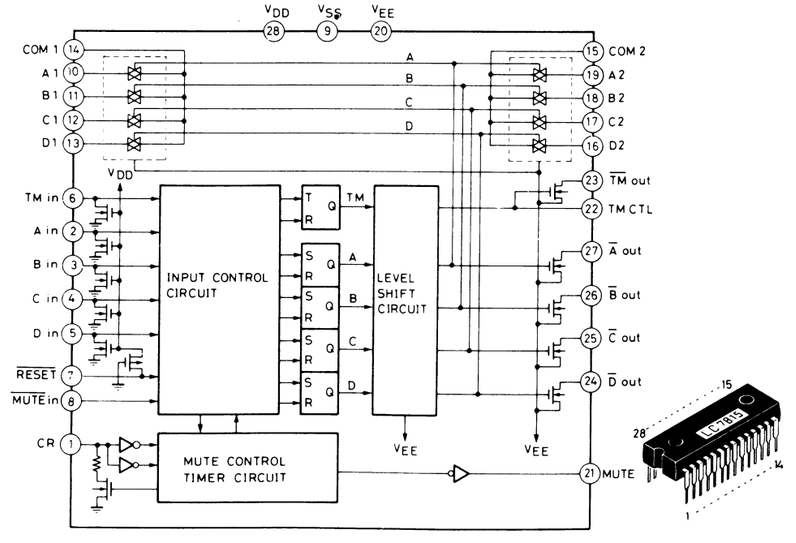
POWER SWITCH P.C.B. ASSY

Ref. No.	Parts No.	Description
77	141 4 280T 37272	P.C.B. ASSY, POWER SWITCH
	4 237T 00100	TERMINAL BOARD
	141 2 381T 04202	BRACKET FUSE
S10	⚠ 4 238T 70400	SWITCH
C901	⚠ 4 223T 12100	CAPACITOR,0.01MF 400V
	⚠ 141 2 382T 18900	TERMINAL

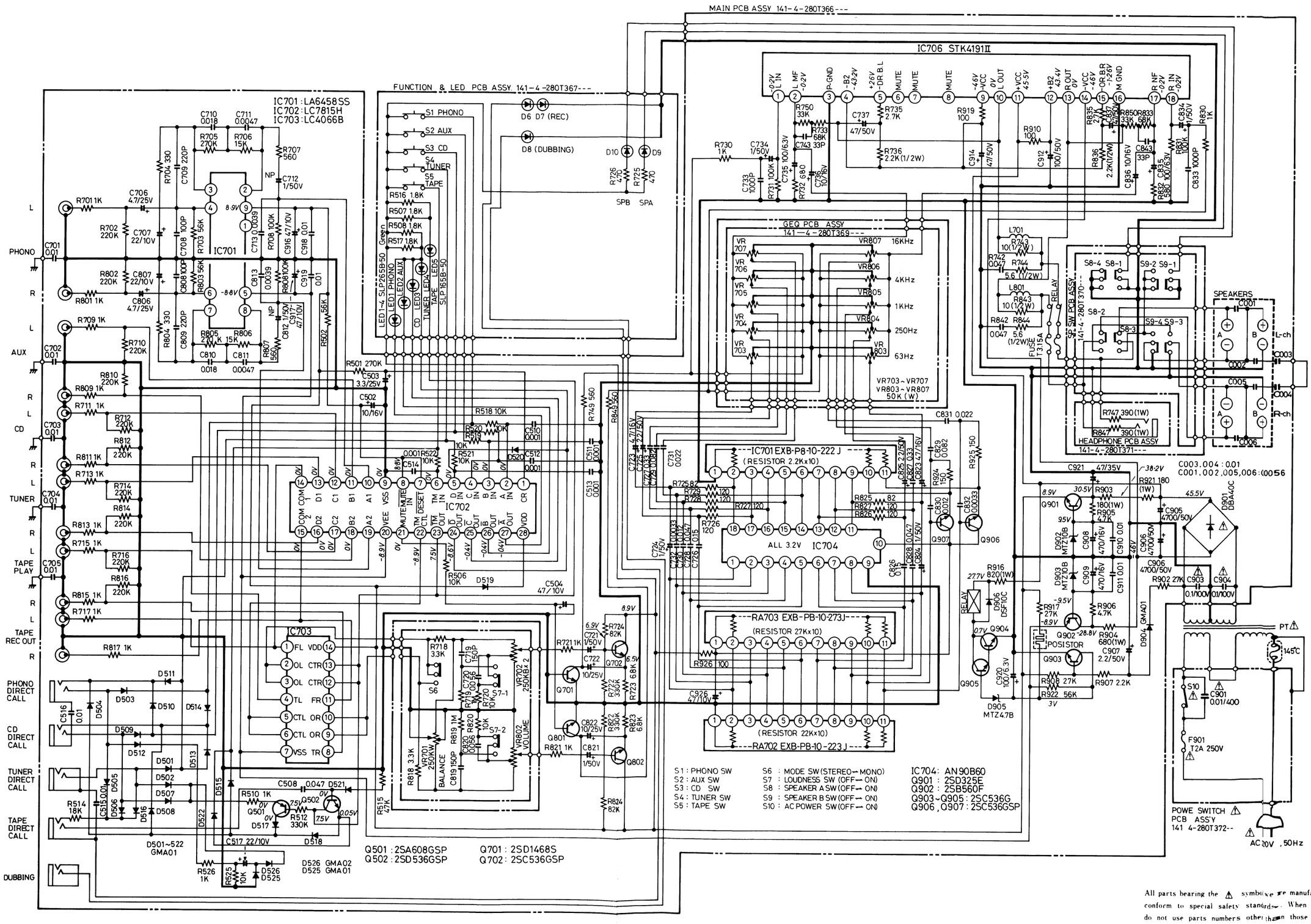
All parts bearing the ⚠ symbol were manufactured to conform to special safety standards. When replacing, do not use parts numbers other than those specified.

IC BLOCK DIAGRAM

LC7815 (ANALOGUE FUNCTION SWITCH)

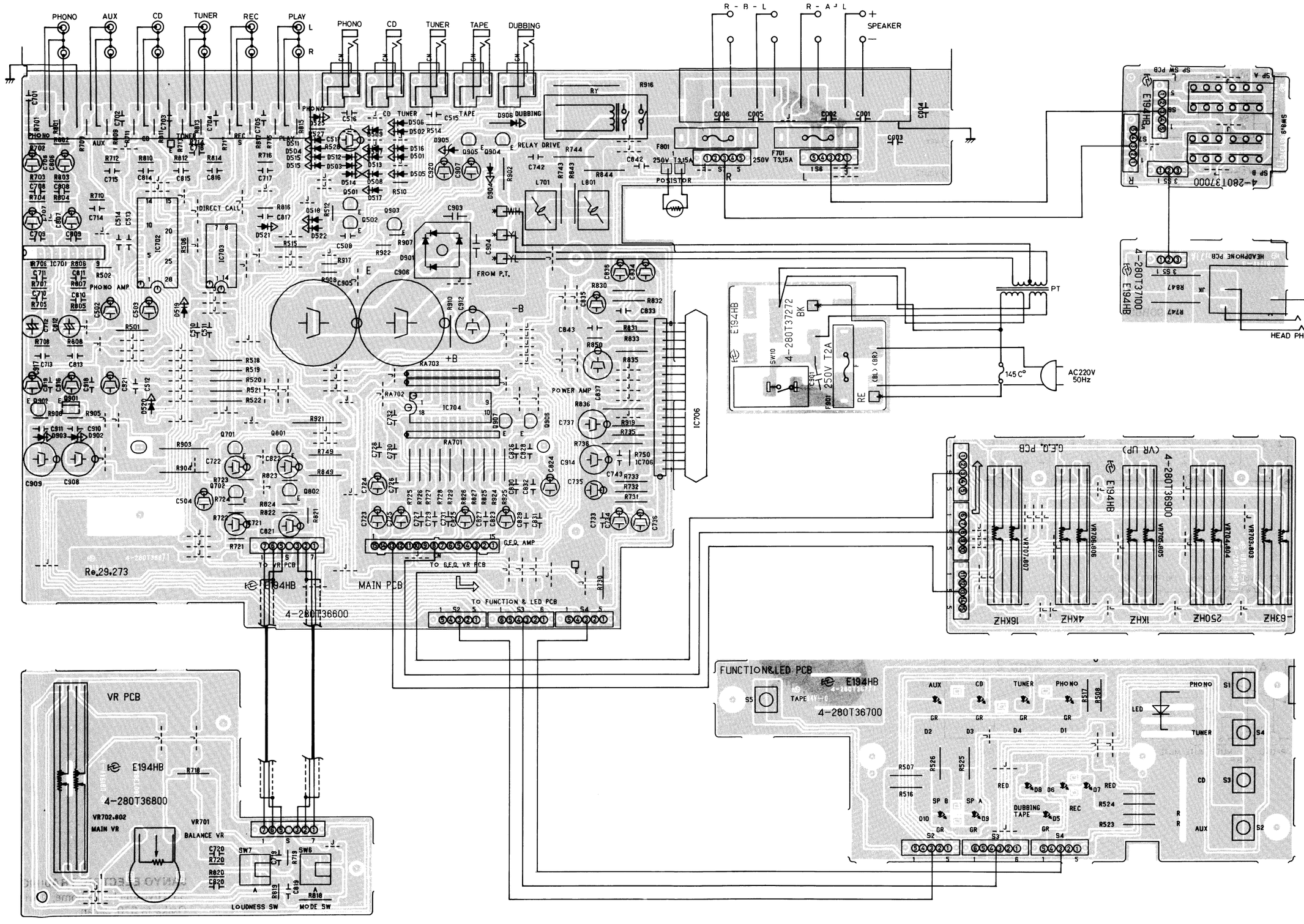


SCHEMATIC DIAGRAM



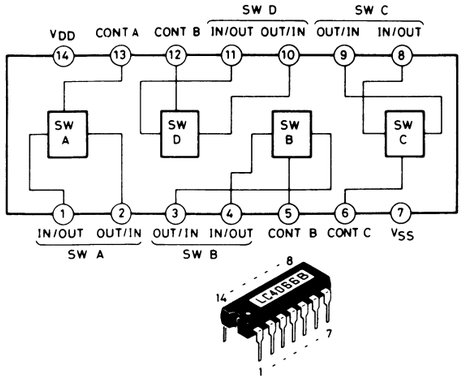
All parts bearing the ⚠ symbol are manufactured to conform to special safety standards. When replacing, do not use parts numbers other than those specified.

WIRING DIAGRAM

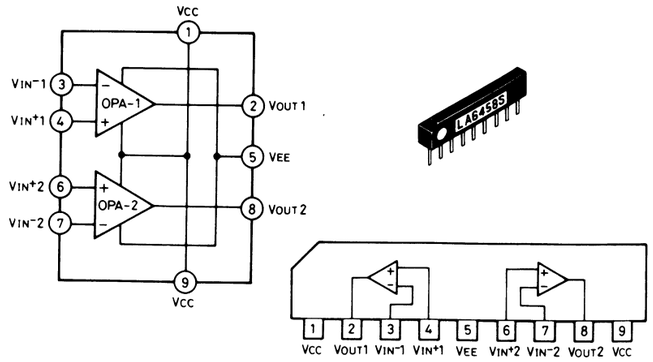


IC BLOCK DIAGRAM

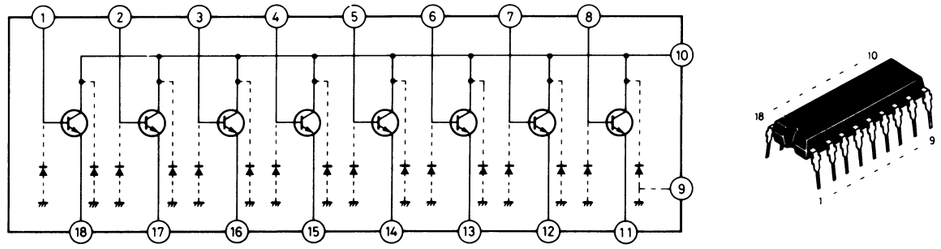
LC4066B (QUAD BILATERAL SWITCH)



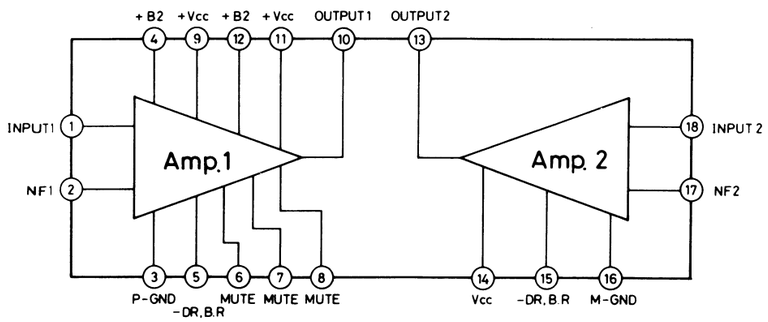
LA6458S (DUAL OPERATIONAL AMPLIFIER)

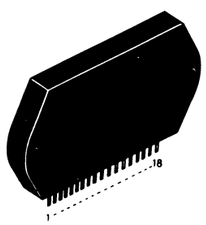


AN90B60 (TRANSISTOR ARY x 8)



STK4191 (AF POWER AMP. OF 2-CHANNEL 50W)


+B2 +Vcc +B2 +Vcc OUTPUT1 OUTPUT2
4 9 12 11 10 13
INPUT1 1
NF1 2
Amp.1
Amp. 2
18 INPUT 2
17 NF2
3 5 6 7 8 14 15 16
P-GND -DR,B.R MUTE MUTE MUTE Vcc -DR,B.R M-GND



SANYO ELECTRIC TRADING CO., LTD.
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SERVICE MANUAL

POWER AMPLIFIER

SANYO

JA 540 BLACK
(EUROPE)

Only parts changed from Model JA540 (EUROPE) are indicated below. For other parts, refer to service manual for Model JA540 (EUROPE).

Ref. No.	JA 540	JA 540 BLACK	Description	Remark
	141-6-133T-56601	141-6-133T-56610	INNER CORR CASE	
1	141-0-122T-53200	141-0-122T-53203	FRONT PANEL ASSY	
2	141-2-111T-54907	141-2-111T-54937	CABINET	
Y4	BJB2+S++3+8+N1	BJB2+S++3+8+ZK	S T BIND H 3X8ZK	
76	141-4-280T-31703	141-4-280T-31702	PCB ASSY, HEADPHONE SOCKET	
	4-240T-52581	4-240T-63071	SOCKET, HEADPHONE	

Add this sheet to Model JA540 (EUROPE) service manual.

SANYO ELECTRIC TRADING CO., LTD.
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